

Title (en)  
VENTILATOR SYSTEM

Title (de)  
VENTILATORSYSTEM

Title (fr)  
SYSTEME DE VENTILATION

Publication  
**EP 1045712 A4 20010103 (EN)**

Application  
**EP 99956657 A 19991025**

Priority  
• US 9924953 W 19991025  
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Abstract (en)  
[origin: EP1166815A2] A portable mechanical ventilator (10) uses a constant-speed compressor (20) and a recirculating bypass circuit. Bypass flow is governed by a spring-biased bypass valve (26) so connected to both the inlet and the outlet of the main flow control valve (12) as to maintain a differential pressure across the flow valve (12) sufficient to operate the ventilator (10) with minimal energy consumption. The flow valve (12) is operated by a microprocessor (82) in accordance with empirically derived lookup tables to both produce the desired air flow and provide a measure of that air flow. <IMAGE>

IPC 1-7  
**A61M 16/00**; **A61M 16/12**; **A61M 16/20**

IPC 8 full level  
**A61M 16/00** (2006.01); **A61M 16/12** (2006.01); **A61M 16/20** (2006.01)

CPC (source: EP US)  
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Citation (search report)  
• [XY] EP 0164500 A2 19851218 - DRAEGERWERK AG [DE]  
• [Y] US 5331995 A 19940726 - WESTFALL THOMAS P [US], et al  
• [XA] GB 2000443 A 19790110 - PHILIPS NV

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